

ELK Guide

Winston Library Installation and Logger Creation

- Install Winston library in your node app using the command:
 - `npm install --save winston`
- The purpose of installing Winston library is that you have to make your logger like I created which can be located in **util** folder named **logger.js**
- Please check the following links for a detailed description of anything regarding winston library.
 - <https://www.npmjs.com/package/winston>
 - <https://github.com/winstonjs/winston>
- Tutorial link:
 - https://www.youtube.com/watch?v=cWi7TAyVoZo&t=741s&ab_channel=ProgrammingwithBasar

ELK Setup and How to Use It

- Please watch these two links for ELK setup and how to pass and visualize data using ELK:
 - https://www.youtube.com/watch?v=8iXZTS7f_hY&ab_channel=ProgrammingKnowledge
 - https://www.youtube.com/watch?v=kqunm8w7GI&ab_channel=ProgrammingKnowledge
- **Note:**
 - *At this point, logstash must be added in your environment variable to run the below commands.*
 - *It doesn't matter whether you run your cmd with admin right or not, it works.*
- To check if your **logstash.conf** file is correct or not, use this command:
 - `logstash -f <absolute-path-of-your-conf-file> --config.test_and_exit`
- To autorun your **logstash.conf** file on edit, use this command:
 - `logstash -f <absolute-path-of-your-conf-file> --config.reload.automatic`

- Find all logstash commands here:
 - <https://www.elastic.co/guide/en/logstash/current/running-logstash-command-line.html#running-logstash-command-line>